

IS&T Archiving Conference

April 20-23, 2004

The Hyatt Regency Hotel
San Antonio, Texas, USA

General Chairs:

Franziska Frey, Rochester Institute of Technology

Robert R. Buckley, Xerox Corporation

Invitation to Authors

Prospective authors are invited to submit original papers for presentation in any of the technical areas listed in the iproposed program topics

If you wish to submit a paper, please use the web-based form and process described on the IS&T website at the following address: <http://www.imaging.org/conferences/archiving2004/authors.cfm>

Use of the web based submission process is strongly preferred, however submission may also be made via e-mail to archiving@imaging.org. Reference subject line: Archiving 2004 Submission. A 1000 word abstract is required.

Abstract Deadline: October 15, 2003

Full Text papers for proceedings: January 30, 2004



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Preserving our heritage is important and so much of that heritage is captured day by day in images and documents. Employing economical methods to save some fraction of that material for future generations is vitally important. We are concerned, furthermore, not only with how we will recover our own images and documents a generation hence, but how we can retrieve, recover and restore the culturally and historically important imagery of past generations.

This conference brings together technical experts to discuss the complex and widely varying topics on archiving. Techniques for preserving, cataloging, indexing and retrieving images and documents in both digital and human readable format are subjects that will be covered in detail. Our goal is to benchmark systems that might be in place to preserve our digital and hardcopy information for the future, as well as to identify those areas where systems and technology are not yet up to the task, and further research is of high priority. Accordingly the interfacing of digital and hardcopy preservation strategies, issues of format obsolescence, and storage media technology are of particular interest.

The Archiving Conference 2004 will include: invited presentations by recognized experts with extensive experience in this field, refereed papers, and a series of tutorials to cover the technical basics of archiving. Special keynote presentations are planned, including one by Gordon Bell, Microsoft Research on his current MyLifeBits research.

Proposed Program Topics

Digital Archiving

- Standards for digital formats, color spaces, compression
- Indexing and searching
- Saving digital data to physical media

Archiving Conventional Media

- Standards for paper manufacturing
- Archival inks
- Photographic archives, including micro-formats
- Storage requirements
- Indexing and retrieval

Digitization

- High speed scanning
- High quality scanning
- OCR and document understanding

Obsolescence of Digital Media

- Software and hardware obsolescence
- Longevity of digital media
- Cost of media rollover

Accessing Electronic Archives

- indexing and searching methods
- Web portals
- Content and digital asset management

Emerging Digital Standards

- PDF/A
- JPEG 2000
- MPEG
- Security and watermarking
- Digital rights management
- eBooks

Case Studies

- Digital Archives
- Long-term archives
- Museum collections
- Libraries
- Film archives
- Medical records

Personal Photo Archives

- Personal digital archives
- Saving pictures for a lifetime
- Indexing and organizing
- Digital versus paper

Tutorials

A full program of tutorials is scheduled for Tuesday, April 20, 2004. Proposals for tutorial classes are invited. For submission instructions, please contact Conference Manager Pam Forness, pam@imaging.org.

Likely topics include:

- Archival properties of paper and other media
- Digital format standards
- Physics of archival inks
- Storage for digital documents
- Historical archival successes
- Lifetimes of various media (magnetic tape, CDs, DVDs, paper products)